

# WEST

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## Search Results -

Term	Documents
EXCRETORY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1168
EXCRETORIES	0
EXCRETORYS	0
(3 AND EXCRETORY).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2
(L3 AND "EXCRETORY").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

US Patents Full-Text Database  
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## Search History

DATE: Wednesday, September 25, 2002 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
<u>L4</u>	L3 and "excretory"	2	<u>L4</u>
<u>L3</u>	L2 and "cancer"	31	<u>L3</u>
<u>L2</u>	L1 and "inflammatory"	38	<u>L2</u>
<u>L1</u>	"Necator americanus"	99	<u>L1</u>

END OF SEARCH HISTORY



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Term	Documents
EXCRETORY.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1168
EXCRETORIES	0
EXCRETORYS	0
(3 AND EXCRETORY).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2
(L3 AND "EXCRETORY").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 31 returned.** 1. Document ID: US 20020090363 A1

L3: Entry 1 of 31

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090363

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090363 A1

TITLE: Sustained bioactive agent delivery device and methods of making and using the same

PUBLICATION-DATE: July 11, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kurtis, Jonathan David	Norwood	MA	US	
Pierce, Robert H.	Pittsford	NY	US	

US-CL-CURRENT: 424/93.21; 800/13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Print
Draw Desc	Image									

 2. Document ID: US 20020058008 A1

L3: Entry 2 of 31

File: PGPB

May 16, 2002

PGPUB-DOCUMENT-NUMBER: 20020058008

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020058008 A1

TITLE: Photochemotherapeutic method using 5-aminolevulinic acid and other precursors of endogenous porphyrins

PUBLICATION-DATE: May 16, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kennedy, James C.	Kingston		CA	
Pottier, Roy H.	Kingston		CA	
Reid, Robert L.	Kingston		CA	
Sac-Morales, Arnold	Kingston		CA	
Tomalty, Lewis L.	Inverary		CA	

US-CL-CURRENT: 424/9.61; 514/185, 514/410, 514/561

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draft	Desc	Image								

3. Document ID: US 20010021370 A1

L3: Entry 3 of 31

File: PGPB

Sep 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010021370

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010021370 A1

TITLE: Photochemotherapeutic method using 5-aminolevulinic acid and other precursors of endogenous porphyrins

PUBLICATION-DATE: September 13, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kennedy, James C.	Kingston	CA	CA	
Pottier, Roy H.	Kingston		US	
Reid, Robert L.	Kingston		CA	
Sac-Morales, Arnold	Kingston		CA	
Tomalty, Lewis L.	Inverary		CA	

US-CL-CURRENT: 424/9.6; 424/9.61, 604/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draft	Desc	Image								

4. Document ID: US 6384208 B1

L3: Entry 4 of 31

File: USPT

May 7, 2002

US-PAT-NO: 6384208

DOCUMENT-IDENTIFIER: US 6384208 B1

TITLE: Sequence directed DNA binding molecules compositions and methods

DATE-ISSUED: May 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Maynard	MA		
Turin; Lisa M.	Redwood City	CA		
Fry; Kirk E.	Palo Alto	CA		

US-CL-CURRENT: 536/24.1; 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draft	Desc	Image								

5. Document ID: US 6359004 B1

L3: Entry 5 of 31

File: USPT

Mar 19, 2002

US-PAT-NO: 6359004

DOCUMENT-IDENTIFIER: US 6359004 B1

TITLE: Manipulating nitrosative stress to upregulate nitrosative stress defenses

DATE-ISSUED: March 19, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stamler; Jonathan S.	Chapel Hill	NC		
Griffith; Owen W.	Milwaukee	WI		

US-CL-CURRENT: 514/561; 514/562

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
Draft Desc	Image									

 6. Document ID: US 6261788 B1

L3: Entry 6 of 31

File: USPT

Jul 17, 2001

US-PAT-NO: 6261788

DOCUMENT-IDENTIFIER: US 6261788 B1

TITLE: Diagnostic assays for infectious parasitic helminths

DATE-ISSUED: July 17, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cummings; Richard D.	Edmond	OK		
Nyame; Anthony Kwame	Edmond	OK		

US-CL-CURRENT: 435/7.22; 424/9.1, 435/7.1, 435/975, 536/55

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
Draft Desc	Image									

 7. Document ID: US 6180824 B1

L3: Entry 7 of 31

File: USPT

Jan 30, 2001

US-PAT-NO: 6180824

DOCUMENT-IDENTIFIER: US 6180824 B1

TITLE: Manipulating nitrosative stress to kill pathologic microbes, pathologic helminths and pathologically, proliferating cells or to upregulate nitrosative stress defenses

DATE-ISSUED: January 30, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stamler; Jonathan S.	Chapel Hill	NC		
Griffith; Owen W.	Milwaukee	WI		

US-CL-CURRENT: 562/507

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: black; color: white;">KIMC</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>										

## □ 8. Document ID: US 6121435 A

L3: Entry 8 of 31

File: USPT

Sep 19, 2000

US-PAT-NO: 6121435

DOCUMENT-IDENTIFIER: US 6121435 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: September 19, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Dilbeek		BE
Lauwereys; Marc Josef	Haaltert		BE
LaRoche; Yves Rene	Brusselles		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Ichtegem		BE
Moyle; Matthew	Boulder	CO	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 536/23.5

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: black; color: white;">KIMC</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>										

## □ 9. Document ID: US 6096877 A

L3: Entry 9 of 31

File: USPT

Aug 1, 2000

US-PAT-NO: 6096877

DOCUMENT-IDENTIFIER: US 6096877 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: August 1, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Dilbeek		BE
Lauwereys; Marc Josef	Haaltert		BE
LaRoche; Yves Rene	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Ichtegem		BE
Moyle; Matthew	Boulder	CO	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 536/23.5

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: #ccc;">KMC</a>
<a href="#">Drawn Desc</a>   <a href="#">Image</a>										

## □ 10. Document ID: US 6090916 A

L3: Entry 10 of 31

File: USPT

Jul 18, 2000

US-PAT-NO: 6090916

DOCUMENT-IDENTIFIER: US 6090916 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: July 18, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Dilbeek		BE
Lauwereys; Marc Josef	Haaltert		BE
LaRoche; Yves Rene	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Ichtegem		BE
Moyle; Matthew	Boulder	CO	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 530/350

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: #ccc;">KMC</a>
<a href="#">Drawn Desc</a>   <a href="#">Image</a>										

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Term	Documents
CANCER.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	100521
CANCERS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	24550
(2 AND CANCER).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31
(L2 AND "CANCER").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31

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**WEST****Search Results - Record(s) 11 through 20 of 31 returned.** 11. Document ID: US 6087487 A

L3: Entry 11 of 31

File: USPT

Jul 11, 2000

US-PAT-NO: 6087487

DOCUMENT-IDENTIFIER: US 6087487 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: July 11, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA		
Stanssens; Patrick Eric Hugo	St-Martens-Latem			BE
Messens; Joris Hilda Lieven	Dilbeek			BE
Lauwereys; Marc Josef	Haaltert			BE
LaRoche; Yves Rene	Brussels			BE
Jespers; Laurent Stephane	Tervuren			BE
Gansemans; Yannick Georges Jozef	Ichtegem			BE
Moyle; Matthew	Boulder	CA		
Bergum; Peter W.	San Diego	CA		

US-CL-CURRENT: 536/23.5

<input type="button" value="Full"/>	<input type="button" value="Title"/>	<input type="button" value="Citation"/>	<input type="button" value="Front"/>	<input type="button" value="Review"/>	<input type="button" value="Classification"/>	<input type="button" value="Date"/>	<input type="button" value="Reference"/>	<input type="button" value="Sequences"/>	<input type="button" value="Attachments"/>	<input type="button" value="KDDC"/>
<input type="button" value="Drawn Descr"/>	<input type="button" value="Image"/>									

 12. Document ID: US 6057367 A

L3: Entry 12 of 31

File: USPT

May 2, 2000

US-PAT-NO: 6057367

DOCUMENT-IDENTIFIER: US 6057367 A

TITLE: Manipulating nitrosative stress to kill pathologic microbes, pathologic helminths and pathologically proliferating cells or to upregulate nitrosative stress defenses

DATE-ISSUED: May 2, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stamler; Jonathan S.	Chapel Hill	NC		
Griffith; Owen W.	Milwaukee	WI		

US-CL-CURRENT: 514/561; 514/562

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: black; color: white;">KIMC</a>
<a href="#">Drawn Desc</a>   <a href="#">Image</a>										

## □ 13. Document ID: US 6046318 A

L3: Entry 13 of 31

File: USPT

Apr 4, 2000

US-PAT-NO: 6046318

DOCUMENT-IDENTIFIER: US 6046318 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: April 4, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Dilbeek		BE
Lauwereys; Marc Josef	Haaltert		BE
LaRoche; Yves Rene	Bruxelles		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansmans; Yannick Georges Jozef	Ichtegem		BE
Moyle; Matthew	Boulder	CO	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 536/23.5

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: black; color: white;">KIMC</a>
<a href="#">Drawn Desc</a>   <a href="#">Image</a>										

## □ 14. Document ID: US 6040441 A

L3: Entry 14 of 31

File: USPT

Mar 21, 2000

US-PAT-NO: 6040441

DOCUMENT-IDENTIFIER: US 6040441 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: March 21, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Dilbeek		BE
Lauwereys; Marc Josef	Haaltert		BE
LaRoche; Yves Rene	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Ichtegem		BE
Moyle; Matthew	Boulder	CO	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 536/23.5; 536/23.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KUMC</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>									

15. Document ID: US 6010849 A

L3: Entry 15 of 31

File: USPT

Jan 4, 2000

US-PAT-NO: 6010849

DOCUMENT-IDENTIFIER: US 6010849 A

TITLE: Sequence-directed DNA binding molecules compositions and methods

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Maynard	MA		
Turin; Lisa M.	Redwood City	CA		
Fry; Kirk E.	Palo Alto	CA		

US-CL-CURRENT: 435/6; 435/7.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KUMC</a>
<a href="#">Draw Desc</a>	<a href="#">Image</a>									

16. Document ID: US 5955490 A

L3: Entry 16 of 31

File: USPT

Sep 21, 1999

US-PAT-NO: 5955490

DOCUMENT-IDENTIFIER: US 5955490 A

TITLE: Photochemotherapeutic method using 5-aminolevulinic acid and other precursors of endogenous porphyrins

DATE-ISSUED: September 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kennedy; James C.	Kingston			CA
Pottier; Roy H.	Kingston			CA
Reid; Robert L.	Kingston			CA
Sac-Morales; Arnold	Kingston			CA
Tomalty; Lewis L.	Inverary			CA

US-CL-CURRENT: 514/410; 424/9.61, 514/561, 514/814, 514/843, 514/863, 514/895,  
514/899, 540/145, 562/567

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc		Image							

KIMC

17. Document ID: US 5955294 A

L3: Entry 17 of 31

File: USPT

Sep 21, 1999

US-PAT-NO: 5955294

DOCUMENT-IDENTIFIER: US 5955294 A

TITLE: Nematode-extracted serine protease inhibitors and anticoagulant proteins

DATE-ISSUED: September 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad			CA
Stanssens; Patrick Eric Hugo	St-Martens-Latem			BE
Messens; Joris Hilda Lieven	Antwerp			BE
Lauwereys; Marc Josef	Haaltert			BE
LaRoche; Yves Rene	Brussels			BE
Jespers; Laurent Stephane	Tervuren			BE
Gansemans; Yannick Georges Jozef	Ichtegem			BE
Moyle; Matthew	Escondido	CA		
Bergum; Peter W.	San Diego	CA		

US-CL-CURRENT: 435/13; 435/212, 435/214

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc		Image							

KIMC

18. Document ID: US 5872098 A

L3: Entry 18 of 31

File: USPT

Feb 16, 1999

US-PAT-NO: 5872098

DOCUMENT-IDENTIFIER: US 5872098 A

TITLE: Nematode-extracted anticoagulant protein

DATE-ISSUED: February 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Antwerp		BE
Lauwereys; Marc Jozef	Haaltert		BE
Laroche; Yves Rene	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Bredene		BE
Moyle; Matthew	Escondido	CA	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 514/12; 530/324, 530/350

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KDDC</a>
<a href="#">Drawn Desc</a>	<a href="#">Image</a>									

19. Document ID: US 5869241 A

L3: Entry 19 of 31

File: USPT

Feb 9, 1999

US-PAT-NO: 5869241

DOCUMENT-IDENTIFIER: US 5869241 A

TITLE: Method of determining DNA sequence preference of a DNA-binding molecule

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Maynard	MA		
Turin; Lisa M.	Redwood City	CA		
Fry; Kirk E.	Palo Alto	CA		

US-CL-CURRENT: 435/6; 435/91.1, 435/91.2

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KDDC</a>
<a href="#">Drawn Desc</a>	<a href="#">Image</a>									

20. Document ID: US 5866543 A

L3: Entry 20 of 31

File: USPT

Feb 2, 1999

US-PAT-NO: 5866543

DOCUMENT-IDENTIFIER: US 5866543 A

TITLE: Nematode-extracted anticoagulant protein

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Antwerpen		BE
Lauwereys; Marc Jozef	Haaltert		BE
Laroche; Yves Rene	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Bredene		BE
Moyle; Matthew	Escondido	CA	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 514/12; 530/324, 530/350

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Term	Documents
CANCER.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	100521
CANCERS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	24550
(2 AND CANCER).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31
(L2 AND "CANCER").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31

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L3: Entry 20 of 31

File: USPT

Feb 2, 1999

DOCUMENT-IDENTIFIER: US 5866543 A  
TITLE: Nematode-extracted anticoagulant protein

Brief Summary Text (15):

Secretions of the hookworm Necator americanus are reported to prolong human plasma clotting times, inhibit the amidolytic activity of human FXa using a fluorogenic substrate, inhibit multiple agonist-induced platelet dense granule release, and degrade fibrinogen. Pritchard, D. I. and B. Furmidge, Thromb. Haemost. 73: 546 (1995).

Detailed Description Text (55):

Preferred NAP proteins having Factor Xa inhibitory activity, according to all the embodiments recited above for this aspect of the invention, are derived from a nematode species. A preferred nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligomosomoides polygyrus. Particularly preferred are NAP proteins AcaNAP5 and AcaNAP6 derived from Ancylostoma caninum.

Detailed Description Text (94):

Preferred NAP proteins having Factor VIIa/TF inhibitory activity, according to all the embodiments recited above for this aspect of the invention, are derived from a nematode species. A preferred nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligomosomoides polygyrus. Particularly preferred is NAP protein AcaNAPc2 derived from Ancylostoma caninum.

Detailed Description Text (128):

Preferred NAP proteins having serine protease inhibitory activity, according to all the embodiments recited above for this aspect of the invention, are derived from a nematode species. A preferred nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligomosomoides polygyrus. Particularly preferred are NAP proteins HpoNAP5 and NamNAP derived from Heligomosomoides polygyrus and Necator americanus, respectively.

Detailed Description Text (167):

Preferred NAP proteins having anticoagulant activity, according to all the embodiments recited above for this aspect of the invention, are derived from a nematode species. A preferred nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligomosomoides polygyrus. Particularly preferred are NAP proteins AcaNAP5 [SEQ. ID. NO. 4 and 40], AcaNAP6 [SEQ. ID. NO. 6 and 41], AcaNAP48 [SEQ. ID. NO. 42], AcaNAP23 [SEQ. ID. NO. 43], AcaNAP24 [SEQ. ID. NO. 44], AcaNAP25 [SEQ. ID. NO. 45], AcaNAP44 [SEQ. ID. NO. 46], AcaNAP45 [SEQ. ID. NO. 63], AcaNAP47 [SEQ. ID. NO. 64], and AcaNAP31 [SEQ. ID. NO. 47] derived from Ancylostoma caninum; AceNAP4 [SEQ. ID. NO. 62], AceNAP5 [SEQ. ID. NO. 57], and AceNAP7 [SEQ. ID. NO. 58] derived from Ancylostoma ceylanicum; and AduNAP7 [SEQ. ID. NO. 65] and AduNAP4 [SEQ. ID. NO. 55] derived from Ancylostoma duodenale.

Detailed Description Text (180):

Further preferred embodiments of the present invention include the proteins having anticoagulant activity made by recombinant methods from the cDNA library isolated

from the nematode, *Ancylostoma caninum*, for example, AcaNAP5 [SEQ. ID. NO. 4 or 40], AcaNAP6 [SEQ. ID. NO. 6 or 41], Pro-AcaNAP5 [SEQ. ID. NO. 7], Pro-AcaNAP6 [SEQ. ID. NO. 8], AcaNAP48 [SEQ. ID. NO. 42], AcaNAP23 [SEQ. ID. NO. 43], AcaNAP24 [SEQ. ID. NO. 44], AcaNAP25 [SEQ. ID. NO. 45], AcaNAP44 [SEQ. ID. NO. 46], AcaNAP31 [SEQ. ID. NO. 47], AcaNAP45 [SEQ. ID. NO. 63], AcaNAP47 [SEQ. ID. NO. 64], and AcaNAPC2 [SEQ. ID. NO. 59]; isolated from the nematode, *Ancylostoma ceylanicum*, for example, AceNAP4 [SEQ. ID. NO. 62], AceNAP5 [SEQ. ID. NO. 57], and AceNAP7 [SEQ. ID. NO. 58]; isolated from the nematode, *Ancylostoma duodenale*, for example, AduNAP4 [SEQ. ID. NO. 55] and AduNAP7 [SEQ. ID. NO. 65]; isolated from the nematode *Heligmosoides polygyrus*, for example, HpONAP5 [SEQ. ID. NO. 60]; and the nematode *Necator americanus*, for example, NamNAP [SEQ. ID. NO. 61]. The amino acid sequences of these proteins are shown in FIGS. 11 and 16 and elsewhere. Each such preferred embodiment increases the clotting time of human plasma in the PT and aPTT assays and contains at least one NAP domain.

Detailed Description Text (184):  
The preferred isolated proteins (NAPs) of the present invention may be isolated and purified from natural sources. Preferred as natural sources are nematodes; suitable nematodes include intestinal nematodes such as *Ancylostoma caninum*, *Ancylostoma ceylanicum*, *Ancylostoma duodenale*, *Necator americanus* and *Heligmosomoides polygyrus*. Especially preferred as a natural source is the hematophagous nematode, the hookworm, *Ancylostoma caninum*.

Detailed Description Text (208):  
Preferred natural sources of mRNA from which to construct a cDNA library are nematodes which include intestinal nematodes such as *Ancylostoma caninum*, *Ancylostoma ceylanicum*, *Ancylostoma duodenale*, *Necator americanus* and *Heligmosomoides polygyrus*. Especially preferred as a natural source of mRNA is the hookworm nematode, *Ancylostoma caninum*.

Detailed Description Text (238):  
cDNA libraries are prepared from natural sources, such as nematodes, as described in Example 2. Preferred nematodes from which to make such libraries include the intestinal nematodes such as *Ancylostoma caninum*, *Ancylostoma ceylanicum*, *Ancylostoma duodenale*, *Necator americanus* and *Heligmosomoides polygyrus*.

Detailed Description Text (295):  
Conditions characterized by abnormal thrombosis are well known in the medical arts and include those involving the arterial and venous vasculature of mammals. With respect to the coronary arterial vasculature, abnormal thrombosis (thrombus formation) characterizes the rupture of an established atherosclerotic plaque which is the major cause of acute myocardial infarction and unstable angina, and also characterizes the occlusive coronary thrombus formation resulting from either thrombolytic therapy or percutaneous transluminal coronary angioplasty (PTCA). With respect to the venous vasculature, abnormal thrombosis characterizes the condition observed in patients undergoing major surgery in the lower extremities or the abdominal area who often suffer from thrombus formation in the venous vasculature resulting in reduced blood flow to the affected extremity and a predisposition for pulmonary embolism. Abnormal thrombosis further characterizes disseminated intravascular coagulopathy which commonly occurs within both vascular systems during septic shock, certain viral infections and cancer, a condition wherein there is rapid consumption of coagulation factors and systemic coagulation which results in the formation of life-threatening thrombi occurring throughout the microvasculature leading to widespread organ failure.

Detailed Description Text (298):  
NAP proteins of this invention having serine protease inhibitory activity also are useful in conditions or assays where the inhibition of serine protease is desired. For example, NAP proteins that inhibit the serine protease trypsin or elastase are useful for treatment of acute pancreatitis or acute inflammatory response, mediated by leukocytes, respectively.

Detailed Description Text (489):  
The Use of NAP DNA Sequences to Isolate Sequences Encoding a NAP Protein from *Necator americanus*

Detailed Description Text (490):  
The sequences of AcaNAP5 [SEQ. ID. NO. 3], AcaNAP6 [SEQ. ID. NO. 5], AcaNAPc2 [SEQ. ID. NO. 19], AcaNAP23 [SEQ. ID. NO. 31], AcaNAP24 [SEQ. ID. NO. 32], AcaNAP25 [SEQ. ID. NO. 33], AcaNAP31 [SEQ. ID. NO. 34], AcaNAP44 [SEQ. ID. NO. 35], AcaNAP45 [SEQ. ID. NO. 36], AcaNAP47 [SEQ. ID. NO. 37], AcaNAP48 [SEQ. ID. NO. 38], AceNAP4 [SEQ. ID. NO. 9], AceNAP5 [SEQ. ID. NO. 10], AceNAP7 [SEQ. ID. NO. 11], AduNAP4 [SEQ. ID. NO. 12], AduNAP7 [SEQ. ID. NO. 13], and HpoNAP5 [SEQ. ID. NO. 14] (see FIGS. 1, 3, 7, and 13) were used to isolate related molecules from the hematophagous parasite *Necator americanus* by PCR-cloning.

Detailed Description Paragraph Table (18):

1510 TCGCTGCTCTTCACTGTGTACTGGAAAGACCGGAAAAAAAGTCGGT98  
SerLeuLeuPheSerLeuCysThrGlyArgProGluLysLysCysGly 152025  
CCCGGTGAAAGACTCGACTGTGCCAACAAAGAAGCCATGCGAGGCCAAG146  
ProGlyGluArgLeuAspCysAlaAsnLysLysProCysGluProLys 303540  
TGCAAAATAGAGACAAGTGAGGAGGAGGATGACGACGTAGAGGATACC194  
CysLysIleGluThrSerGluGluAspAspAspValGluAspThr 455055  
GATGTGAGATGCCCTCGTACGTGTGAACTGCCTCTTAAATGCATA242  
AspValArgCysLeuValArgValCysGluArgProLeuLysCysIle 606570  
TGCAAGGATGGATACTACAGAAACAAGAAAGGCGAATGTGTGACTGAT290  
CysLysAspGlyTyrTyrArgAsnLysLysGlyGluCysValThrAsp 75808590  
GATGTATGCCAGGAAGACTTTATGGAGTTATTACTTCGCAACCATAAACC341  
AspValCysGlnGluAspPheMetGluPheIleThrPheAlaPro 95100105  
CAATAATGACCACTGGCTCCCATTCTCGTATCGCATAGCGTCGGTGGTTGACAGTCTCCCCT401  
GCATCTTAGTTGCTTGCTTGATAATCTATACATAAACAGTACTTTCTGAGATAGAATAA461 AGCTCTCAACT472 (2)  
INFORMATION FOR SEQ ID NO:34: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 487 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (vi) ORIGINAL SOURCE: (A) ORGANISM: *Ancylostoma caninum* (ix) FEATURE: (A) NAME/KEY: Coding Sequence (B) LOCATION: 57...347 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:  
GAATTCCGGACTTACTAGTACTCAGCGAATCAAATACGACTTACTACTCAACGATG59 Met 1  
AAGACGCTCTGCTATCCCTATAATGCTGCTCTGGTATCGCAATGC107  
LysThrLeuSerAlaIleProIleMetLeuLeuLeuValSerGlnCys 51015  
AGTGGAAAATCACTGTGGATCAGAAAGTGTGGTGAGAATGAAAGGCTC155  
SerGlyLysSerLeuTrpAspGlnLysCysGlyGluAsnGluArgLeu 202530  
GACTGTGGCAATCAGAAGGACTGTGAGCGCAAGTGCATGATAAAAGA203  
AspCysGlyAsnGlnLysAspCysGluArgLysCysAspAspLysArg 354045  
AGTGAAGAAGAAATTATGCAGGCATGTCACACGTCAATGTCTCCT251  
SerGluGluGluIleMetGlnAlaCysLeuThrArgGlnCysLeuPro 50556065  
CCTGTTGCGTATGTGAAGATGGATTCTACAGAAATGACAACGACCAA299  
ProValCysValCysGluAspGlyPheTyrArgAsnAspAspGln 707580  
TGTGTTGATGAAGAAGAAATGCAATATGGAGTTATTACTTCGCAACCATG349  
CysValAspGluGluGluCysAsnMetGluPheIleThrPheAlaPro 859095  
AAGCAAATGACAGCCGATGGTTGGACTCTCGCTACAGATCACAGCTTACTGTTCCCT409  
TGCATCATAGTAGTTTGCTAGATAGTGTATATTAGCATGATTTCTGATAGGGAGAA469  
TAAAGCTTCCAATTTTC487 (2) INFORMATION FOR SEQ ID NO:35: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 477 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (vi) ORIGINAL SOURCE: (A) ORGANISM: *Ancylostoma caninum* (ix) FEATURE: (A) NAME/KEY: Coding Sequence (B) LOCATION: 24...338 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35: GAATTCCGCGGAATTCCGCAACGATGAAGACGCTATATTATCGCTATATGC53  
MetLysThrLeuTyrIleIleAlaIleCys 1510  
TCGCTCCTCATTTCGCTGTGTACTGGAAAGACCGGAAAAAAAGTCGGT101  
SerLeuLeuIleSerLeuCysThrGlyArgProGluLysLysCysGly 152025  
CCCGGTGAAAGACTCGACTGTGCCAACAAAGAAGCCATGCGAGGCCAAG149  
ProGlyGluArgLeuAspCysAlaAsnLysLysProCysGluProLys 303540  
TGCAAAATAGAGACAAGTGAGGAGGAGGATGACGACGTAGAGGAAACC197  
CysLysIleGluThrSerGluGluAspAspAspValGluGluThr 455055  
GATGTGAGATGCCCTCGTACGTGTGAACTGCCTCTTAAATGCATA245  
AspValArgCysLeuValArgValCysGluArgProLeuLysCysIle 606570  
TGCAAGGATGGATACTACAGAAACAAGAAAGGCGAATGTGTGACTGAT293  
CysLysAspGlyTyrTyrArgAsnLysLysGlyGluCysValThrAsp 75808590  
GATGTATGCCAGGAAGACTTTATGGAGTTATTACTTCGCAACCATAAACC344  
AspValCysGlnGluAspPheMetGluPheIleThrPheAlaPro 95100105  
CAATAATGACCACTGGCTCCCATTCTCGTATCGCATAGCGTCGGTGGTTGACAGTCTCCCCT404  
GCATCTTAGTTGCTTGATAATCTATACATAAACAGTACTTTCTGAGATAGAATAA464 AGCTCTCAACTAC477 (2)

INFORMATION FOR SEQ ID NO:36: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 686 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (vi) ORIGINAL SOURCE: (A) ORGANISM: Ancylostoma caninum (ix) FEATURE: (A) NAME/KEY: Coding Sequence (B) LOCATION: 14...556 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36: GAATTCCGGAAAAATGCTGATGCTCACCTTGTCCATCTGGTTGCTA49  
 MetLeuMetLeuTyrLeuValProIleTrpLeuLeu 1510  
 CTCATTCGCAATGCAGTGGAAAATCCCGAAGAAATGTGGTCTCAAT7  
 LeuIleSerGlnCysSerGlyLysSerAlaLysCysGlyLeuAsn 152025  
 GAAAAATTGGACTGTGGCAATCTGAAGGCATGCGAGAAAAAGTCAGC145  
 GluLysLeuAspCysGlyAsnLeuLysAlaCysGluLysLysCysSer 303540  
 GACTTGGACAATGAGGAGGATTATAAGGAGGAAGATGAGTCGAAATGC193  
 AspLeuAspAsnGluGluAspTyrLysGluGluAspGluSerLysCys 45505560  
 CGATCACGTGAATGTAGTCGTCGTGTTGTATGCGATGAAGGATTTC241  
 ArgSerArgGluCysSerArgArgValCysValCysAspGluGlyPhe 657075  
 TACAGAAACAAGAAGGGCCAATGTGTGACAAGAGATGATTGCGAGTAT289  
 TyrArgAsnLysLysGlyGlnCysValThrArgAspAspCysGluTyr 808590  
 GACAATATGGAGATTATCATTTCACCAGAACAGATAATGTGGTCCC337  
 AspAsnMetGluIleIleThrPheProProGluAspLysCysGlyPro 95100105  
 GATGAATGGTTCGACTGGTGTGGAACTTACAAGCAGTGTGAGCGCAAG385  
 AspGluTrpPheAspTrpCysGlyThrTyrLysGlnCysGluArgLys 110115120  
 TGCAATAAGGAGCTAAGTGAGAAAGATGAAGAGGCATGCCTCTCACGT433  
 CysAsnLysGluLeuSerGluLysAspGluGluAlaCysLeuSerArg 125130135140  
 GCTTGTACTGGTCGTGCTTGTGTTGCAACGACGGACTGTACAGAGAC481  
 AlaCysThrGlyArgAlaCysValCysAsnAspGlyLeuTyrArgAsp 145150155  
 GATTGGCAATTGTGTTGAGAAAGACGAATGTAACGATATGGAGATT529  
 AspPheGlyAsnCysValGluLysAspGluCysAsnAspMetGluIle 160165170  
 ATCACTTTCCACCGGAAACCAACACTGACCAAAGGCTCTAACTCTCGCTACAT584  
 IleThrPheProProGluThrLysHis 175180  
 AACGTCAGTGTGAATTGCCCTTACGAGTTAGTAATTGACTAACTCTGTGTAATT644  
 GAGCATTGTCTACTGATGGTGAAGATGTTCAATGTCT686 (2) INFORMATION FOR SEQ ID NO:37: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 707 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (vi) ORIGINAL SOURCE: (A) ORGANISM: Ancylostoma caninum (ix) FEATURE: (A) NAME/KEY: Coding Sequence (B) LOCATION: 34...576 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:  
 GAATTCCGGAAAAATCCGGTTGGCGCGAGAAAATGCTGATGCTCACCTTGT54 MetLeuMetLeuTyrLeuVal 15  
 CCTATCTGGTTCTGCTCATTCGCAATGCAGTGGAAAATCCCGAAG102  
 ProIleTrpPheLeuLeuIleSerGlnCysSerGlyLysSerAlaLys 101520  
 AAATGTGGCCTCAATGAAAAATTGGACTGTGGCAATCTGAAGGCATGC150  
 LysCysGlyLeuAsnGluLysLeuAspCysGlyAsnLeuLysAlaCys 253035  
 GAGAAAAAGTGCAGCGACTTGGACAATGAGGAGGATTATGGGGAGGAA198  
 GluLysLysCysSerAspLeuAspAsnGluGluAspTyrGlyGluGlu 40455055  
 GATGAGTCGAAATGCCGATCACGTGAATGTATTGGTCGTGTTGCGTA246  
 AspGluSerLysCysArgSerArgGluCysIleGlyArgValCysVal 606570  
 TGCGATGAAGGATTCTACAGAAACAGAAGGGCCAATGTGTGACAAGA294  
 CysAspGluGlyPheTyrArgAsnLysLysGlyGlnCysValThrArg 758085  
 GACGATTGCGAGTATGACAATATGGAGATTATCACTTTCCACCAGAA342  
 AspAspCysGluTyrAspAsnMetGluIleIleThrPheProProGlu 9095100  
 GATAAAATGTGGTCCCAGATGAATGGTGTGACTGGTGTGGAACCTACAAG390  
 AspLysCysGlyProAspGluTrpPheAspTrpCysGlyThrTyrLys 105110115  
 CAGTGTGAGCGCAAGTGCAGTGAGGAGCTAAGTGAGAAAATGAGGAG438  
 GlnCysGluArgLysCysSerGluGluLeuSerGluLysAsnGluGlu 120125130135  
 GCATGCCCTCTACGTGCTGTACTGGTCGTGCTTGCAGTACGAC486  
 AlaCysLeuSerArgAlaCysThrGlyArgAlaCysValCysAsnAsp 140145150  
 GGATTGTATAGAGACGATTGTGTTGAGAAAGACGAATGT534  
 GlyLeuTyrArgAspAspPheGlyAsnCysValGluLysAspGluCys 155160165  
 AACGATATGGAGATTATCACTTTCCACCGGAAACCAACACTGACCAAAGG586  
 AsnAspMetGluIleIleThrPheProProGluThrLysHis 170175180  
 CTCTAGCTCTCGCTACATAACGTCAGTGTGTTGAAATTGCCCTTACGTGTTAGTAATT646  
 GACTAACTCTGTGTTGAGCAATTGTACTAATGGTGAAGATGCTTCAATGAC706 T707 (2) INFORMATION FOR SEQ ID NO:38: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 529 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (vi) ORIGINAL SOURCE: (A) ORGANISM: Ancylostoma caninum (ix) FEATURE: (A) NAME/KEY: Coding Sequence (B) LOCATION: 31...309 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:  
 GAATTCCGTACGACCTACTACTCAACGATGAAGGCGCTATGTTATCTCT54 MetLysAlaLeuTyrValIleSer 15  
 ATAACGTTGCTCCTGGTATGCAATGCAAGAACAGCGAGGAAA102

IleThrLeuLeuLeuValTrpGlnCysSerAlaArgThrAlaArgLys 101520  
 CCCCCAACGTGTTGGTGAAGGTCGAATGGTGTGCAAGCAG150  
 ProProThrCysGlyGluAsnGluArgValGluTrpCysGlyLysGln 25303540  
 TGCAGATCACATGTGACGACCCAGATAAGATATGCCGCTACTCGCT198  
 CysGluIleThrCysAspAspProAspLysIleCysArgSerLeuAla 455055  
 TGTCCTGGTCTCCTGCGTATGCGACGAGATACTACAGAGAC246  
 CysProGlyProProAlaCysValCysAspAspGlyTyrTyrArgAsp 606570  
 ACGAACGTTGGCTTGTTGACAATATGACGAATGCAACGATATGGAT294  
 ThrAsnValGlyLeuCysValGlnTyrAspGluCysAsnAspMetAsp 758085  
 ATTATTATGGTTTCATAGGGTTGACTGAAGAATCGAACAAACCGGTGACAACCTC349 IleIleMetValSer 90  
 TATGCTTGCATATCTCTCTGATCATGCAAGTTAGCTAGATAGTGTATATAGCAA409  
 GACCCCTGGGGAGAATGAAGCTCCAACATATTAAATCAATAACGTTTCGCTTCAT469  
 GTACACGTGCTCAGCACATCATATCCACTCCTCACACTCCATGAAAGCAGTGAATGTT529 (2) INFORMATION FOR  
 SEQ ID NO:39: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 361 base pairs (B) TYPE:  
 nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (vi) ORIGINAL SOURCE: (A)  
 ORGANISM: Necator americanus (ix) FEATURE: (A) NAME/KEY: Coding Sequence (B)  
 LOCATION: 16...252 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:  
 GCCAACTCTTCGAACATGATTGAGGCCCTCGTTCTTCTCTCTGTT51  
 MetIleArgGlyLeuValLeuLeuSerLeuLeuPhe 1510  
 TCGCTCACTTTGCAGCGAACAGAGAGATTGTCCAGCAAATGAGGAATGG99  
 CysValThrPheAlaAlaLysArgAspCysProAlaAsnGluTrp 152025  
 AGGGAATGTGGCACTCCATGTGAACCAAAATGCAATCAACCGATGCCA147  
 ArgGluCysGlyThrProCysGluProLysCysAsnGlnProMetPro

Detailed Description Paragraph Table (21):

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 77 amino acids (B) TYPE: amino acid (D)  
 TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL SOURCE: (A) ORGANISM:  
Ancylostoma ceylanicum (xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:  
 ArgThrValLysLysCysGlyLysAsnGluArgTyrAspAspCysGly 151015  
 AsnAlaLysAspCysGluThrLysCysGlyGluGluGluLysValCys 202530  
 ArgSerArgGluCysThrSerProGlyAlaCysValCysGluGlnGly 354045  
 PheTyrArgAspProAlaGlyAspCysValThrAspGluGluCysAsp 505560  
 GluTrpAsnAsnMetGluIleIleThrMetProLysGln 657075 (2) INFORMATION FOR SEQ ID NO:59: (i)  
 SEQUENCE CHARACTERISTICS: (A) LENGTH: 84 amino acids (B) TYPE: amino acid (D)  
 TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL SOURCE: (A) ORGANISM:  
Ancylostoma caninum (xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:  
 LysAlaThrMetGlnCysGlyGluAsnGluLysTyrAspSerCysGly 151015  
 SerLysGluCysAspLysLysCysLysTyrAspGlyValGluGluGlu 202530  
 AspAspGluGluProAsnValProCysLeuValArgValCysHisGln 354045  
 AspCysValCysGluGluGlyPheTyrArgAsnLysAspAspLysCys 505560  
 ValSerAlaGluAspCysGluLeuAspAsnMetAspPheIleTyrPro 65707580 GlyThrArgAsn (2)  
 INFORMATION FOR SEQ ID NO:60: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 58 amino  
 acids (B) TYPE: amino acid (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi)  
 ORIGINAL SOURCE: (A) ORGANISM: Heligmosomoides polygyrus (xi) SEQUENCE DESCRIPTION:  
 SEQ ID NO:60: LysThrCysGlyProAsnGluGluTyrThrGluCysGlyThrProCys 151015  
 GluProLysCysAsnGluProMetProAspIleCysThrLeuAsnCys 202530  
 IleValAsnValCysGlnCysLysProGlyPheLysArgGlyProLys 354045  
 GlyCysValAlaProGlyProGlyCysLys 5055 (2) INFORMATION FOR SEQ ID NO:61: (i) SEQUENCE  
 CHARACTERISTICS: (A) LENGTH: 61 amino acids (B) TYPE: amino acid (D) TOPOLOGY:  
 linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL SOURCE: (A) ORGANISM: Necator  
americanus (xi) SEQUENCE DESCRIPTION: SEQ ID NO:61:  
 LysArgAspCysProAlaAsnGluGluTrpArgGluCysGlyThrPro 151015  
 CysGluProLysCysAsnGlnProMetProAspIleCysThrMetAsn 202530  
 CysIleValAspValCysGlnCysLysGluGlyTyrLysArgHisGlu 354045  
 ThrLysGlyCysLeuLysGluGlySerAlaAspCysLys 505560 (2) INFORMATION FOR SEQ ID NO:62: (i)  
 SEQUENCE CHARACTERISTICS: (A) LENGTH: 171 amino acids (B) TYPE: amino acid (D)  
 TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL SOURCE: (A) ORGANISM:  
Ancylostoma ceylanicum (xi) SEQUENCE DESCRIPTION: SEQ ID NO:62:  
 LysProAsnAsnValMetThrAsnAlaCysGlyLeuAsnGluTyrPhe 151015  
 AlaGluCysGlyAsnMetLysGluCysGluHisArgCysAsnGluGlu 202530  
 GluAsnGluGluArgAspGluGluArgIleThrAlaCysLeuIleArg 354045  
 ValCysPheArgProGlyAlaCysValCysLysAspGlyPheTyrArg 505560  
 AsnArgThrGlySerCysValGluGluAspAspCysGluTyrGluAsn 65707580  
 MetGluPheIleThrPheAlaProGluValProIleCysGlySerAsn 859095  
 GluArgTyrSerAspCysGlyAsnAspLysGlnCysGluArgLysCys 100105110

AsnGluAspAspTyrGluLysGlyAspGluAlaCysArgSerHisVal 115120125  
CysGluArgProGlyAlaCysValCysGluAspGlyPheTyrArgAsn 130135140  
LysLysGlySerCysValGluSerAspAspCysGluTyrAsnMet 145150155160  
AspPheIleThrPheAlaProGluThrSerArg 165170 (2) INFORMATION FOR SEQ ID NO:63: (i)  
SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 amino acids (B) TYPE: amino acid (D)  
TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL SOURCE: (A) ORGANISM:  
Ancylostoma caninum (xi) SEQUENCE DESCRIPTION: SEQ ID NO:63:  
LysSerAlaLysLysCysGlyLeuAsnGluLysLeuAspCysGlyAsn 151015  
LeuLysAlaCysGluLysLysCysSerAspLeuAspAsnGluGluAsp 202530  
TyrLysGluGluAspGluSerLysCysArgSerArgGluCysSerArg 354045  
ArgValCysValCysAspGluGlyPheTyrArgAsnLysLysGln 505560  
CysValThrArgAspAspCysGluTyrAsnMetGluIleIleThr 65707580  
PheProProGluAspLysCysGlyProAspGluTrpPheAspTrpCys 859095  
GlyThrTyrLysGlnCysGluArgLysCysAsnLysGluLeuSerGlu 100105110  
LysAspGluGluAlaCysLeuSerArgAlaCysThrGlyArgAlaCys 115120125  
ValCysAsnAspGlyLeuTyrArgAspAspPheGlyAsnCysValGlu 130135140  
LysAspGluCysAsnAspMetGluIleIleThrPheProProGluThr 145150155160 LysHis (2) INFORMATION  
FOR SEQ ID NO:64: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 162 amino acids (B)  
TYPE: amino acid (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL  
SOURCE: (A) ORGANISM: Ancylostoma caninum (xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:  
LysSerAlaLysLysCysGlyLeuAsnGluLysLeuAspCysGlyAsn 151015  
LeuLysAlaCysGluLysLysCysSerAspLeuAspAsnGluGluAsp 202530  
TyrGlyGluGluAspGluSerLysCysArgSerArgGluCysIleGly 354045  
ArgValCysValCysAspGluGlyPheTyrArgAsnLysLysGln 505560  
CysValThrArgAspAspCysGluTyrAspAsnMetGluIleIleThr 65707580  
PheProProGluAspLysCysGlyProAspGluTrpPheAspTrpCys 859095  
GlyThrTyrLysGlnCysGluArgLysCysSerGluGluLeuSerGlu 100105110  
LysAsnGluGluAlaCysLeuSerArgAlaCysThrGlyArgAlaCys 115120125  
ValCysAsnAspGlyLeuTyrArgAspAspPheGlyAsnCysValGlu 130135140  
LysAspGluCysAsnAspMetGluIleIleThrPheProProGluThr 145150155160 LysHis (2) INFORMATION  
FOR SEQ ID NO:65: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 161 amino acids (B)  
TYPE: amino acid (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (vi) ORIGINAL  
SOURCE: (A) ORGANISM: Ancylostoma duodenale (xi) SEQUENCE DESCRIPTION: SEQ ID  
NO:65: LysAlaAlaLysLysCysGlyLeuAsnGluArgLeuAspCysGlyAsn 151015  
LeuLysGlnCysGluProLysCysSerAspLeuGluSerGluGluTyr 202530  
GluGluGluAspGluSerLysCysArgSerArgGluCysSerArgArg 354045  
ValCysValCysAspGluGlyPheTyrArgAsnLysLysGlyLysCys 505560  
ValAlaLysAspValCysGluAspAspAsnMetGluIleIleThrPhe 65707580  
ProProGluAspGluCysGlyProAspGluTrpPheAspTyrCysGly 859095  
AsnTyrLysLysCysGluArgLysCysSerGluGluThrSerGluLys 100105110  
AsnGluGluAlaCysLeuSerArgAlaCysThrGlyArgAlaCysVal 115120125  
CysLysAspGlyLeuTyrAspAspPheGlyAsnCysValProHis 130135140  
AspGluCysAsnAspMetGluIleIleThrPheProProGluThrLys 145150155160 His (2) INFORMATION  
FOR SEQ ID NO:66: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 9 amino acids (B) TYPE:  
amino acid (D) TOPOLOGY: linear (v) FRAGMENT TYPE: internal fragment (ix) FEATURE:  
(D) OTHER INFORMATION: Xaa in locations 2 to 9 is an amino acid. (xi) SEQUENCE  
DESCRIPTION: SEQ ID NO: 66: CysXaaXaaXaaXaaXaaXaaXaa 15 (2) INFORMATION FOR SEQ  
ID NO: 67: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 9 amino acids (B) TYPE: amino  
acid (D) TOPOLOGY: linear (v) FRAGMENT TYPE: internal fragment (ix) FEATURE: (D)  
OTHER INFORMATION: Xaa in locations 2 to 9 is an amino acid. (xi) SEQUENCE  
DESCRIPTION: SEQ ID NO: 67: CysXaaXaaXaaXaaXaaXaaXaa 15 (2) INFORMATION FOR SEQ  
ID NO:68: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 7 amino acids (B) TYPE: amino  
acid (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (v) FRAGMENT TYPE: internal  
fragment (ix) FEATURE: (D) OTHER INFORMATION: Xaa at locations 1 and 2 is an amino  
acid, provided that at least one of Xaa at locations 1 and 2 is Glu or Asp, Xaa in  
locations 3 to 8 is an amino acid. (xi) SEQUENCE DESCRIPTION: SEQ ID NO:68:  
XaaXaaXaaXaaXaaXaa 15 (2) INFORMATION FOR SEQ ID NO:69: (i) SEQUENCE  
CHARACTERISTICS: (A) LENGTH: 5 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear  
(ii) MOLECULE TYPE: peptide (v) FRAGMENT TYPE: internal fragment (xi) SEQUENCE  
DESCRIPTION: SEQ ID NO:69: GlyPheTyrArgAsp 15 (2) INFORMATION FOR SEQ ID NO:70: (i)  
SEQUENCE CHARACTERISTICS: (A) LENGTH: 5 amino acids (B) TYPE: amino acid (D)  
TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (v) FRAGMENT TYPE: internal fragment  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:70: GlyPheTyrArgAsn

Other Reference Publication (59):

Pritchard D., "The Anti-haemostatic Strategies of the Human Hookworm Necator americanus" Thromb. Haemost. 73(3):546 (1995).

CLAIMS:

5. The protein of claim 1, wherein said nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligmosomoides polygyrus.

7. The protein of claim 1, wherein said nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligmosomoides polygyrus.

10. The protein of claim 8, wherein said nematode species is selected from the group consisting of Ancylostoma caninum, Ancylostoma ceylanicum, Ancylostoma duodenale, Necator americanus, and Heligmosomoides polygyrus.

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 30 of 31 returned.** **21. Document ID: US 5866542 A**

L3: Entry 21 of 31

File: USPT

Feb 2, 1999

US-PAT-NO: 5866542

DOCUMENT-IDENTIFIER: US 5866542 A

TITLE: Nematode-extracted anticoagulant protein

DATE-ISSUED: February 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Matens-Latem		BE
Messens; Joris Hilda Lieven	Antwerp		BE
Lauwereys; Marc Jozef	Haaltert		BE
Laroche; Yves Rene n	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick George Jozef	Bredene		BE
Moyle; Matthew	Escondido	CA	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 514/12; 530/324, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
									KIMC

[Draw Desc](#) | [Image](#)

 **22. Document ID: US 5863894 A**

L3: Entry 22 of 31

File: USPT

Jan 26, 1999

US-PAT-NO: 5863894

DOCUMENT-IDENTIFIER: US 5863894 A

TITLE: Nematode-extracted anticoagulant protein

DATE-ISSUED: January 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Vlasuk; George Phillip	Carlsbad	CA	
Stanssens; Patrick Eric Hugo	St-Martens-Latem		BE
Messens; Joris Hilda Lieven	Antwerp		BE
Lauwereys; Marc Jozef	Haaltert		BE
Laroche; Yves Rene	Brussels		BE
Jespers; Laurent Stephane	Tervuren		BE
Gansemans; Yannick Georges Jozef	Bredene		BE
Moyle; Matthew	Escondido	CA	
Bergum; Peter W.	San Diego	CA	

US-CL-CURRENT: 514/12; 530/324, 530/350

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: #ccc;">KIMD</a>
<a href="#">Drawn Desc</a>	<a href="#">Image</a>									

23. Document ID: US 5744131 A

L3: Entry 23 of 31

File: USPT

Apr 28, 1998

US-PAT-NO: 5744131

DOCUMENT-IDENTIFIER: US 5744131 A

TITLE: Sequence-directed DNA-binding molecules compositions and methods

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Fry; Kirk E.	Palo Alto	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Maynard	MA		

US-CL-CURRENT: 424/78.08; 436/501, 514/1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: #ccc;">KIMD</a>
<a href="#">Drawn Desc</a>	<a href="#">Image</a>									

24. Document ID: US 5738990 A

L3: Entry 24 of 31

File: USPT

Apr 14, 1998

US-PAT-NO: 5738990

DOCUMENT-IDENTIFIER: US 5738990 A

TITLE: Sequence-directed DNA-binding molecules compositions and methods

DATE-ISSUED: April 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Fry; Kirk E.	Palo Alto	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Watertown	MA		

US-CL-CURRENT: 435/6; 435/320.1, 435/69.1, 536/24.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>									

KUMC

25. Document ID: US 5726014 A

L3: Entry 25 of 31

File: USPT

Mar 10, 1998

US-PAT-NO: 5726014

DOCUMENT-IDENTIFIER: US 5726014 A

TITLE: Screening assay for the detection of DNA-binding molecules

DATE-ISSUED: March 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Watertown	MA		
Turin; Lisa M.	Berkeley	CA		

US-CL-CURRENT: 435/6; 435/91.2, 436/501

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>
<a href="#">Draw Desc</a>   <a href="#">Image</a>									

KUMC

26. Document ID: US 5716780 A

L3: Entry 26 of 31

File: USPT

Feb 10, 1998

US-PAT-NO: 5716780

DOCUMENT-IDENTIFIER: US 5716780 A

TITLE: Method of constructing sequence-specific DNA-binding molecules

DATE-ISSUED: February 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Fry; Kirk E.	Palo Alto	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Watertown	MA		

US-CL-CURRENT: 435/6; 436/501

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
<a href="#">Drawn Desc</a>   <a href="#">Image</a>					<a href="#">KOMC</a>				

## □ 27. Document ID: US 5708141 A

L3: Entry 27 of 31

File: USPT

Jan 13, 1998

US-PAT-NO: 5708141  
DOCUMENT-IDENTIFIER: US 5708141 A

TITLE: Neutrophil inhibitors

DATE-ISSUED: January 13, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moyle; Matthew	Escondido	CA		
Foster; David L.	San Diego	CA		
Vlasuk; George P.	Carlsbad	CA		

US-CL-CURRENT: 530/350; 424/520, 530/417

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
<a href="#">Drawn Desc</a>   <a href="#">Image</a>					<a href="#">KOMC</a>				

## □ 28. Document ID: US 5693463 A

L3: Entry 28 of 31

File: USPT

Dec 2, 1997

US-PAT-NO: 5693463  
DOCUMENT-IDENTIFIER: US 5693463 A

TITLE: Method of ordering sequence binding preferences of a DNA-binding molecule

DATE-ISSUED: December 2, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Fry; Kirk E.	Palo Alto	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Maynard	MA		

US-CL-CURRENT: 435/6; 435/7.23, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
<a href="#">Drawn Desc</a>   <a href="#">Image</a>					<a href="#">KOMC</a>				

## □ 29. Document ID: US 5663155 A

L3: Entry 29 of 31

File: USPT

Sep 2, 1997

US-PAT-NO: 5663155

DOCUMENT-IDENTIFIER: US 5663155 A

TITLE: Compositions for the treatment of parasitic infections

DATE-ISSUED: September 2, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McCaffrey; Ronald P.	Needham	MA		
Wigzell; Hans L. R.	Hagersten			SE

US-CL-CURRENT: 514/45; 514/46, 536/27.21, 536/27.6, 536/27.61, 536/27.62, 536/27.63,  
536/27.7, 536/27.8, 536/27.81

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: black; color: white;">KOMC</a>
<a href="#">Drawn Desc</a>   <a href="#">Image</a>										

 30. Document ID: US 5578444 A

L3: Entry 30 of 31

File: USPT

Nov 26, 1996

US-PAT-NO: 5578444

DOCUMENT-IDENTIFIER: US 5578444 A

TITLE: Sequence-directed DNA-binding molecules compositions and methods

DATE-ISSUED: November 26, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Cynthia A.	Menlo Park	CA		
Cantor; Charles R.	Boston	MA		
Andrews; Beth M.	Maynard	MA		
Turin; Lisa M.	Redwood City	CA		
Fry; Kirk E.	Palo Alto	CA		

US-CL-CURRENT: 435/6; 435/7.23, 536/23.1

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#" style="background-color: black; color: white;">KOMC</a>
<a href="#">Drawn Desc</a>   <a href="#">Image</a>										

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Term	Documents
CANCER.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	100521
CANCERS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	24550
(2 AND CANCER).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31
(L2 AND "CANCER").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31

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31. Document ID: EP 1140122 A1 WO 200041706 A1 AU 200019950 A

L3: Entry 31 of 31

File: DWPI

Oct 10, 2001

DERWENT-ACC-NO: 2000-499053

DERWENT-WEEK: 200167

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TITLE: Pro-apoptotic agents isolated from hookworm useful for treatment of cancer and inflammatory diseases, comprising excretory-secretory products capable of inducing apoptosis

INVENTOR: CHOW, S C; PRITCHARD, D I

PRIORITY-DATA: 1999GB-0000930 (January 15, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1140122 A1	October 10, 2001	E	000	A61K035/56
WO 200041706 A1	July 20, 2000	E	013	A61K035/56
AU 200019950 A	August 1, 2000		000	A61K035/56

INT-CL (IPC): A61 K 35/56; A61 P 29/00; A61 P 35/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMPC
<a href="#">Draw</a>	<a href="#">Desc</a>	<a href="#">Image</a>								

Term	Documents
CANCER.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	100521
CANCERS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	24550
(2 AND CANCER).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31
(L2 AND "CANCER").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	31

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